

**EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	170	713/186.cor.	USPAT	OR	OFF	2009/03/20 11:48
L2	180	726/5.cor.	USPAT	OR	OFF	2009/03/20 11:48
L3	59	726/18.cor.	USPAT	OR	OFF	2009/03/20 11:48
L4	71	726/19.cor.	USPAT	OR	OFF	2009/03/20 11:48
L6	212	382/115.cor.	USPAT	OR	OFF	2009/03/20 11:48
L7	55	382/116.cor.	USPAT	OR	OFF	2009/03/20 11:48
L8	122	382/117.cor.	USPAT	OR	OFF	2009/03/20 11:48
L9	294	382/118.cor.	USPAT	OR	OFF	2009/03/20 11:48
L10	0	(reading first unique heartbeat waveform individual waveform second physiological trait enrolled).clm.	US-PGPUB	AND	ON	2009/03/20 11:50
L11	1	(reading first live biological identifier reflecting light skin tissue second authenticating).clm.	US-PGPUB	AND	ON	2009/03/20 11:50
L12	0	(live body tissue authenticating unique heartbeat waveform second physiological identifier authentication).clm.	US-PGPUB	AND	ON	2009/03/20 11:52
L13	0	(reading unique heartbeat waveform analyzing second physiological identifier enrolled).clm.	US-PGPUB	AND	ON	2009/03/20 11:53
L14	0	(portable computerized infrared emitter detector first unique heartbeat waveform authenticating).clm.	US-PGPUB	AND	ON	2009/03/20 11:54
L15	494	(authenticat\$ verif\$ autoriz \$) WITH heartbeat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/03/20 11:56
L16	73	L15 and @ad<="20010322"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/03/20 11:56

L17	14636	(authenticat\$ verif\$ authoriz\$) WITH biometric	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/03/20 11:56
L18	418	17 and (ECG heartbeat)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/03/20 11:57
S1	213	382/115.ccls.	USPAT	OR	OFF	2002/06/30 13:31
S2	122	713/186.ccls.	USPAT	OR	OFF	2003/03/20 11:11
S3	421	infrared and heartbeat	USPAT	OR	OFF	2002/06/19 08:20
S4	18	"4239048"	USPAT	OR	OFF	2002/06/19 08:21
S5	1	"4239048".pn.	USPAT	OR	OFF	2002/06/19 10:18
S6	1	"4100536".pn.	USPAT	OR	OFF	2002/06/19 08:27
S7	1	"4407295".pn.	USPAT	OR	OFF	2002/06/19 08:27
S8	130	retinal adj (scan or configuration)	USPAT	OR	OFF	2002/06/19 10:19
S9	883	bone adj density	USPAT	OR	OFF	2002/06/19 10:19
S10	2	(bone adj density) and (authentication or authenticates or authenticated or authenticating)	USPAT	OR	OFF	2002/06/19 10:28
S11	1	(bone or bones) same (authentication or authenticates or authenticated or authenticating)	USPAT	OR	OFF	2002/06/19 11:09
S12	384	(weight or weighting or threshold or thresholds) and biometrics	USPAT	OR	OFF	2002/06/19 11:11
S13	274	hinton.in.	USPAT	OR	OFF	2002/06/30 13:37
S14	3936	murakami.in.	USPAT	OR	OFF	2002/06/30 13:37
S15	4	murakami.in. and authentication	USPAT	OR	OFF	2002/06/30 13:38
S16	0	murakami.in. and (biometric or biometrics)	USPAT	OR	OFF	2002/06/30 13:38
S17	3	murakami.in. and histological	USPAT	OR	OFF	2002/06/30 13:38
S18	3323	hemodynamic	USPAT	OR	OFF	2003/03/10 12:13

S19	3916	hemodynamic	USPAT	OR	ON	2003/03/10 12:14
S20	97	hemodynamic same waveform	USPAT	OR	ON	2003/03/10 12:14
S21	1	(hemodynamic same waveform) and biometric	USPAT	OR	ON	2003/03/10 12:25
S22	10805	blood with circulation	USPAT	OR	ON	2003/03/10 12:26
S23	8967	blood with circulation AND @pd<= "20010322"	USPAT	OR	ON	2003/03/10 12:29
S24	106	(blood with circulation) same (waveform or graph or EKG)	USPAT	OR	ON	2003/03/10 12:28
S25	88	((blood with circulation) same (waveform or graph or EKG)) AND (@pd<= "20010322"	USPAT	OR	ON	2003/03/10 12:30
S26	13	(((blood with circulation) same (waveform or graph or EKG)) AND (@pd<= "20010322")) and unique	USPAT	OR	ON	2003/03/10 12:49
S27	0	(((blood with circulation) same (waveform or graph or EKG)) AND (@pd<= "20010322")) and unique) and authentication	USPAT	OR	ON	2003/03/10 12:31
S28	0	(((blood with circulation) same (waveform or graph or EKG)) AND (@pd<= "20010322")) and unique) and biometric	USPAT	OR	ON	2003/03/10 12:31
S29	120	dicrotic near notch	USPAT	OR	ON	2003/03/11 15:15
S30	3	(dicrotic near notch) same unique	USPAT	OR	ON	2003/03/11 12:11
S31	13	(dicrotic near notch) same (unique or rare or lone or individual or exclusive or single or uncommon)	USPAT	OR	ON	2003/03/10 15:04
S32	1	"6463311".pn.	USPAT	OR	ON	2003/03/11 11:58
S33	1	((dicrotic near notch) same (unique or rare or lone or individual or exclusive or single or uncommon)) and (biometric or authentication)	USPAT	OR	ON	2003/03/11 11:57
S34	0	"6463311".pn. and unique	USPAT	OR	ON	2003/03/11 11:58
S35	0	"6463311".pn. and authentication	USPAT	OR	ON	2003/03/11 11:58

S36	1	"6463311".pn.	USPAT	OR	ON	2003/03/11 12:01
S37	1	"5632272".pn.	USPAT	OR	ON	2003/03/11 12:11
S38	1	"4537484".PN.	USPAT	OR	OFF	2003/03/11 12:12
S39	1	"4544267".PN.	USPAT	OR	OFF	2003/03/11 12:12
S40	1	"4699149".PN.	USPAT	OR	OFF	2003/03/11 12:12
S41	1	"4728186".PN.	USPAT	OR	OFF	2003/03/11 12:13
S42	1	"4728186".PN.	USPAT	OR	OFF	2003/03/11 12:15
S43	1	"4784484".PN.	USPAT	OR	OFF	2003/03/11 12:15
S44	1	"5073950".PN.	USPAT	OR	OFF	2003/03/11 12:15
S45	1	"5077803".PN.	USPAT	OR	OFF	2003/03/11 12:16
S46	1	"5077803".PN.	USPAT	OR	OFF	2003/03/11 12:16
S47	1	"5088617".PN.	USPAT	OR	OFF	2003/03/11 12:17
S48	1	"5103486".PN.	USPAT	OR	OFF	2003/03/11 12:17
S49	1	"5230025".PN.	USPAT	OR	OFF	2003/03/11 12:17
S50	1	"5335288".PN.	USPAT	OR	OFF	2003/03/11 12:18
S51	1	"5623552".PN.	USPAT	OR	OFF	2003/03/11 12:18
S52	1	"5666400".PN.	USPAT	OR	OFF	2003/03/11 12:18
S53	1	"5719950".PN.	USPAT	OR	OFF	2003/03/11 12:18
S54	1	"5737439".PN.	USPAT	OR	OFF	2003/03/11 12:19
S55	1	"5774571".PN.	USPAT	OR	OFF	2003/03/11 12:19
S56	1	"5787187".PN.	USPAT	OR	OFF	2003/03/11 12:19
S57	1	"5987232".PN.	USPAT	OR	OFF	2003/03/11 12:19
S58	1	"6104913".PN.	USPAT	OR	OFF	2003/03/11 12:20
S59	1	"6104922".PN.	USPAT	OR	OFF	2003/03/11 12:20

S60	1	"6148094".PN.	USPAT	OR	OFF	2003/03/11 12:20
S61	1	"6164403".PN.	USPAT	OR	OFF	2003/03/11 12:20
S62	1	"6171112".PN.	USPAT	OR	OFF	2003/03/11 12:20
S63	1	"6182892".PN.	USPAT	OR	OFF	2003/03/11 12:21
S64	1	"6193153".PN.	USPAT	OR	OFF	2003/03/11 12:21
S65	1	"6202151".PN.	USPAT	OR	OFF	2003/03/11 12:21
S66	1	"6208264".PN.	USPAT	OR	OFF	2003/03/11 12:21
S67	1	"6225890".PN.	USPAT	OR	OFF	2003/03/11 12:21
S68	1	"6232874".PN.	USPAT	OR	OFF	2003/03/11 12:22
S69	1	"6269348".PN.	USPAT	OR	OFF	2003/03/11 12:22
S70	1	"6275806".PN.	USPAT	OR	OFF	2003/03/11 12:22
S71	1	"6275806".PN.	USPAT	OR	OFF	2003/03/11 12:54
S72	1	"6289453".PN.	USPAT	OR	OFF	2003/03/11 12:22
S73	2226	Polygraph or (lie near detector)	USPAT	OR	ON	2003/03/11 12:56
S74	6	(polygraph or (lie near detector)) same unique	USPAT	OR	ON	2003/03/11 12:55
S75	1866	Polygraph or ("lie near detector")	USPAT	OR	ON	2003/03/11 12:56
S76	1949	Polygraph or ("lie detector")	USPAT	OR	ON	2003/03/11 12:56
S77	5	(polygraph or ("lie detector")) same unique	USPAT	OR	ON	2003/03/11 12:57
S78	213	(polygraph or ("lie detector")) and graph	USPAT	OR	ON	2003/03/11 12:58
S79	64	((polygraph or ("lie detector")) and graph) and unique	USPAT	OR	ON	2003/03/11 12:58
S80	3	(polygraph or ("lie detector")) and (graph same unique)	USPAT	OR	ON	2003/03/11 12:59
S81	5	(polygraph or ("lie detector")) and (graph same (unique or distinct))	USPAT	OR	ON	2003/03/11 15:11
S82	1	"4728186".pn.	USPAT	OR	ON	2003/03/11 15:12

S83	120	dicrotic near notch	USPAT	OR	ON	2003/03/11 15:16
S84	1	(dicrotic near notch) same identification	USPAT	OR	ON	2003/03/11 15:16
S85	1	(dicrotic near notch) same authentication	USPAT	OR	ON	2003/03/11 15:16
S86	20	(dicrotic near notch) and identification	USPAT	OR	ON	2003/03/11 15:17
S87	129	713/186.ccls.	USPAT	OR	OFF	2003/03/20 11:11
S88	109	713/186.ccls. and two	USPAT	OR	OFF	2003/03/20 11:12
S89	53	(713/186.ccls. and two) and biometric	USPAT	OR	OFF	2003/03/20 11:33
S90	3334	hemodynamic	USPAT	OR	OFF	2003/03/20 11:12
S91	343	hemodynamic and (authentication or biometric or verify or verification or authenticated)	USPAT	OR	ON	2003/03/20 11:13
S92	16	hemodynamic and biometric	USPAT	OR	ON	2003/03/20 11:13
S93	38	(713/186.ccls. and two) and biometric and (iris or retinal)	USPAT	OR	ON	2003/03/20 11:36
S94	463	(iris or retinal) same fingerprint	USPAT	OR	ON	2003/03/20 11:39
S95	110	multiple WITH biometric	USPAT	OR	ON	2003/03/20 11:41
S96	303	((iris or retinal) same fingerprint) and biometric	USPAT	OR	ON	2003/03/20 12:06
S97	292	biometric same two	USPAT	OR	ON	2003/03/20 12:53
S98	113	(biometric same two ) and authentication	USPAT	OR	ON	2003/03/20 12:11
S99	11977	two near (characteristic or trait)	USPAT	OR	ON	2003/03/20 12:12
S100	3	(two near (characteristic or trait)) same biometric	USPAT	OR	ON	2003/03/20 12:15
S101	297	biometric same ((iris or retinal) and fingerprint)	USPAT	OR	ON	2003/03/20 12:15
S102	241	(biometric same ((iris or retinal) and fingerprint)) NOT (facial and voice and hand)	USPAT	OR	ON	2003/03/20 16:03
S103	1728	ear near canal	USPAT	OR	ON	2003/03/20 12:19
S104	9	(ear near canal) and biometric	USPAT	OR	ON	2003/03/20 12:19
S105	0	(fingerprint and retina\$).ti.	USPAT	OR	ON	2003/03/20 12:23

S106	0	(fingerprint and iris).ti.	USPAT	OR	ON	2003/03/20 12:23
S107	1	"3872443".pn.	USPAT	OR	ON	2003/03/20 12:32
S108	1	"4048986".pn.	USPAT	OR	ON	2003/03/20 12:39
S109	758	biofeedback	USPAT	OR	ON	2003/03/20 12:39
S110	8	biofeedback and biometrics	USPAT	OR	ON	2003/03/20 12:40
S111	24	only WITH (iris or retina\$) with fingerprint	USPAT	OR	ON	2003/03/20 12:42
S112	570	fingerprint WITH (iris or retina\$)	USPAT	OR	ON	2003/03/20 12:42
S113	555	(fingerprint WITH (iris or retina\$)) not (facial and voice and palm and hand)	USPAT	OR	ON	2003/03/20 12:43
S114	113	(biometric same two ) and authentication	USPAT	OR	ON	2003/03/20 12:54
S115	0	"4048986".pn. and (advantage or benefit)	USPAT	OR	ON	2003/03/20 13:00
S116	0	osten-david.in.	USPAT	OR	ON	2003/03/20 13:01
S117	105	osten.in.	USPAT	OR	ON	2003/03/20 13:01
S118	1	osten.in. and biometric	USPAT	OR	ON	2003/03/20 13:01
S119	834	subdermal	USPAT	OR	ON	2003/03/20 16:03
S120	16	subdermal same reflect\$	USPAT	OR	ON	2003/03/20 17:18
S121	145	heartbeat with light	USPAT	OR	ON	2003/03/20 17:18
S122	20	heartbeat with light with reflect\$	USPAT	OR	ON	2003/03/20 17:32
S123	0	(heartbeat with light with reflect\$) same advantave	USPAT	OR	ON	2003/03/20 17:20
S124	0	(heartbeat with light with reflect\$) same advantage	USPAT	OR	ON	2003/03/20 17:20
S125	1	"4163447".pn.	USPAT	OR	OFF	2003/03/20 18:05
S126	1	"4163447".pn. and advantage \$	USPAT	OR	OFF	2003/03/20 17:34
S127	0	"0197810".pn.	EPO	OR	OFF	2003/03/20 18:05
S128	1	"197810"	EPO	OR	OFF	2003/03/20 18:06

S133	471	authentication\$ verify\$ authoriz\$) WITH heartbeat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/09 15:50
S134	73	S133 and @ad<="20010322"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/09 15:51
S135	45	daniel near lange	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/09 16:06
S136	10	S135 and @ad<="20010322"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/09 16:06
S137	75	moorthy.xa.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/09 16:07
S138	3	S137 and heartbeat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/09 16:07
S139	341	heartbeat near5 individual	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/09 16:17
S140	140	S139 and @ad<="20010322"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/09 16:17
S141	17	S140 and(authentication\$ verify\$ authoriz\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/09 16:18
S142	1	"20030128867".pn.	US-PGPUB	OR	ON	2008/12/09 16:19
S143	50	("20010033220"   "4109237"   "4582985"   "4614861"   "4846190"   "5172698"   "5180901"   "5456256"   "5526808"   "5586171"   "5623552"   "5704352"   "5789733"   "5872834"   "5982914"   "6088585"   "6219639"   "6266566"   "6483929"   "6496595"   "6816605"   "6920231"   "7133792"   "7188362").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/09 16:24
S144	118	biometric WITH heartbeat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 10:09
S145	2	S144 and @ad<="20010322"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 10:10
S146	1	"20020138768".pn.	US-PGPUB	OR	ON	2008/12/10 12:10
S147	1	S146 and medium	US-PGPUB	OR	ON	2008/12/10 12:10

S148	1	"20010033220".pn.	US-PGPUB	OR	ON	2008/12/10 12:16
S149	0	S148 and (eye iris retina)	US-PGPUB	OR	ON	2008/12/10 12:16
S150	1	S148 and ecg	US-PGPUB	OR	ON	2008/12/10 12:16
S151	118	biometric WITH heartbeat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/10 13:59
S152	494	(authenticat\$ verif\$ authoriz \$) WITH heartbeat	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/03/19 17:39
S153	73	S152 and @ad<="20010322"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/03/19 17:39
S154	33	murakami.in. and authentication	USPAT	OR	OFF	2009/03/19 17:43
S155	8	murakami near rick	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/19 17:44
S156	7	clark near hinton	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/19 17:46
S157	16	pettit near matthew	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/19 17:46
S158	1	"20020138768".pn.	US-PGPUB	OR	ON	2009/03/19 18:17
S159	1	S158 and medium	US-PGPUB	OR	ON	2009/03/19 18:17
S160	6	("20060093190"   "7214953"   "7358514").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/03/19 18:32
S161	3	("5935062"   "6628809"   "6898299").PN.	USPAT	OR	OFF	2009/03/19 18:32
S162	1	"20010033220".pn.	US-PGPUB	OR	ON	2009/03/19 18:36
S163	2	moorthy.xa. and lange	USPAT	OR	OFF	2009/03/20 11:28

3/20/09 12:25:52 PM

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